



IVOA
Semantics

The Path to a “Unified Astronomy Thesaurus”

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IVOA
Semantics

Definitions

- Vocabulary
- Thesaurus
- Taxonomy
- Ontology



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Astronomical Thesauri

- Journal keywords
- Astronomy & Astrophysics Abstract Series (1970-2000)
- IAU thesaurus (Schobbruck & Schobbruck 1993)
- Lortet, Borde & Ochsenbein (1994)
- Remote Telescope Markup Language 2.x (2002)
- NASA taxonomy (2004)
- UCD (2004)
- Preite Martines & Lesteven (2007)
- Astron. Outreach Imagery Metadata Tags (2007)
- SKOS/IVOA Vocabularies standard (2007)



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Maintaining a Thesaurus

- Why?
- Who?
- How?
- How often?
- How much detail?
- How much ontological detail?



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An IVOA Thesaurus?

<http://www.astro.physik.uni-goettingen.de/~hessman/rdf/>

<http://www.ioppublishing.org/newsDetails/new-thesaurus-created-for-the-astronomy-community>

<http://astrothesaurus.org>